

What is claimed is:

1. A resistor comprising;

a substrate;

5 a pair of electrodes disposed on said substrate; and

a resistor element disposed between said electrode, said resistor element comprising rectangular sections connected to said pair of electrodes, and a S-shaped section disposed between said rectangular sections, said S-shaped section being free of trimmed portion.

10 2. The resistor of claim 1, wherein a width of at least one of said rectangular sections of said resistor is wider than a width of said S-shaped section.

15 3. The resistor of claim 1, wherein at least one of said rectangular sections has a trimmed porton.

4. The resistor of claim 1, wherein thickness of said rectangular sections of said resistor element are twice as thick as said S-shaped section.

20 5. The resistor of claim 3, wherein a width of said rectangular section of said resistor element where the rectangular section extends to said S-shape section is wider than a width of said S-shaped section.

6. A method of manufacturing a resistor comprising the steps of;

25 forming a pair of electrodes on a substrate; and

forming a resistor element between said pair of electrodes, said resistor element comprising rectangular sections connected to said electrodes and a S-shaped section disposed between said rectangular sections, said S-shaped section being free of trimming portion.

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7. The method of manufacturing resistor of claim 6, wherein said resistor element is formed by printing.

5 8. The method of manufacturing resistor of claim 6, wherein portion of said rectangular sections is trimmed to adjust a resistance.

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